ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

PERMIT : OSWP - 2024-46075

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM / Repair

PIN # 4751-47-9714

APPLICANT/OWNER: GARY GILLELAND

APPLICANT ADDRESS: 105 HILLNDALE ROAD, STATESVILLE, N.C. 28677

SITE ADDRESS: 105 HILLNDALE ROAD, STATESVILLE, N.C. 28677

PHONE: 704-658-5457

ALT. PHONE —

SITE DIRECTIONS: (S) ON 77, (L) ON AMITY HILL, (R) ON PILCH, (L) ON HILLNDALE, LOT ON (L)

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: HILLDATE

SECTION: —

LOT #: —

LOT AREA: 0.92AC

DESIGN FLOW: 360GPD

L.T.A.R.(Initial): —

L.T.A.R (Repair): 0.3

Septic Tank	1000 (gal)	STB	760	Date			
Pump Tank	— (gal)	PT	—	Date	—		
Pump Make	—	Model	—	Serial #	—		
# Nitrification Fields	1	# Lines	6	Linear Ft	301FT		
Trench Width	36 IN	*Max. Trench Depth(Initial)	—	*Max. Trench Depth(Repair)	30IN	Gravel Depth	—

* Measured on the downhill side of the trench

Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☐ New System ☑ Repair ☐ Expansion System Type: I II (III) IV V VI

System Description: EXISTING CONVENTONAL

Repair System Description: 25% REDUCTION

Maintenance Agreement Required: ☐ YES ☑ NO

☑ GRAVITY ☐ PRESSURE

Usable Depth to LC (Initial): —

Usable Depth to LC (Repair): 41IN Limiting Condition

☑ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees —

☐ Slab ☑ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

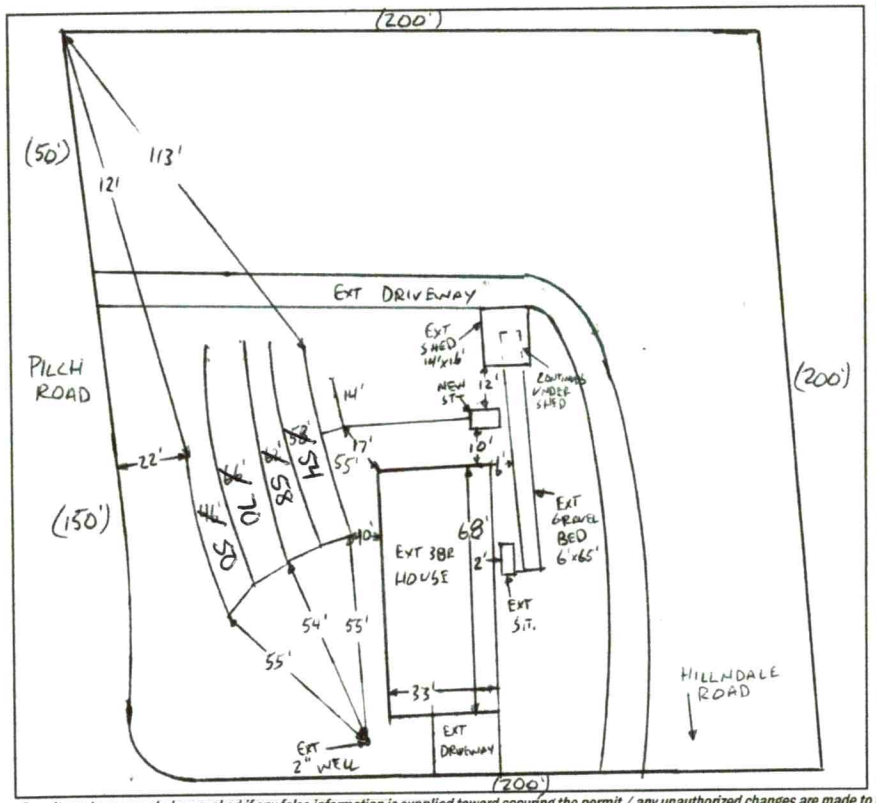
Water Supply: ☑ Private EXT ☐ Public ☐ Community

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 36IN MAX TRENCH BOTTOM ON HIGHSIDE OF DITCH, DO NOT SHALLOW UP, WELL MUST BE UNCOVERED AT INSPC

RECOMMEND REMOVING MAPLE TREE

PUMP, CRUSH, AND FILL EXISTING TANK

INITIAL SITE SKETCH



AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Tank } SH
Top 2 Lines } 2/29/24

1IN = 50FT
S.T. = SEPTIC TANK
EXT = EXISTING

Installed as Drawn

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: ONLINE SIGNATURE Date: —

Installed by: Craig Thompson

IMPROVEMENT PERMIT by: Burnett C. White Date: 2-19-2024

OPERATION PERMIT by: Craig Thompson Date: 3/1/24

AUTHORIZATION TO CONSTRUCT by: Burnett C. White Date: 2-19-2024

Existing System Inspected by: Date:

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

ICHD - ENVIRONMENTAL HEALTH DIVISION

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SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PERMIT : OSWP - 2024-46075

PIN # 4751-47-9714

APPLICANT/OWNER: GARY GILLELAND | APPLICANT ADDRESS: 105 HILLNDALE ROAD, STATESVILLE, N.C. 28677

SITE ADDRESS: 105 HILLNDALE ROAD, STATESVILLE, N.C. 28677 | PHONE: 704-658-5457 | ALT. PHONE —

SITE DIRECTIONS: (S) ON 77, (L) ON AMITY HILL, (R) ON PILCH, (L) ON HILLNDALE, LOT ON (L) | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: HILLDATE | SECTION: — | LOT # — | LOT AREA: 0.92AC | DESIGN FLOW: 360GPD | L.T.A.R.(Initial): — | L.T.A.R (Repair): 0.3

Septic Tank	1000 (gal)	STB		Date		☐ New System	☑ Repair	☐ Expansion	System Type: I II (III) IV V VI
Pump Tank	— (gal)	PT	—	Date	—	System Description:	EXISTING CONVENTONAL		
Pump Make	—	Model	—	Serial #	—	Repair System Description:	25% REDUCTION		
# Nitrification Fields	1	# Lines	6	Linear Ft	301FT	Maintenance Agreement Required:	☐ YES	☒ NO	
Trench Width	36 IN	*Max. Trench Depth(Initial)	—	*Max. Trench Depth(Repair)	30IN	Gravel Depth	—	☒ GRAVITY	☐ PRESSURE

* Measured on the downhill side of the trench | Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40 | Usable Depth to LC (Initial): —

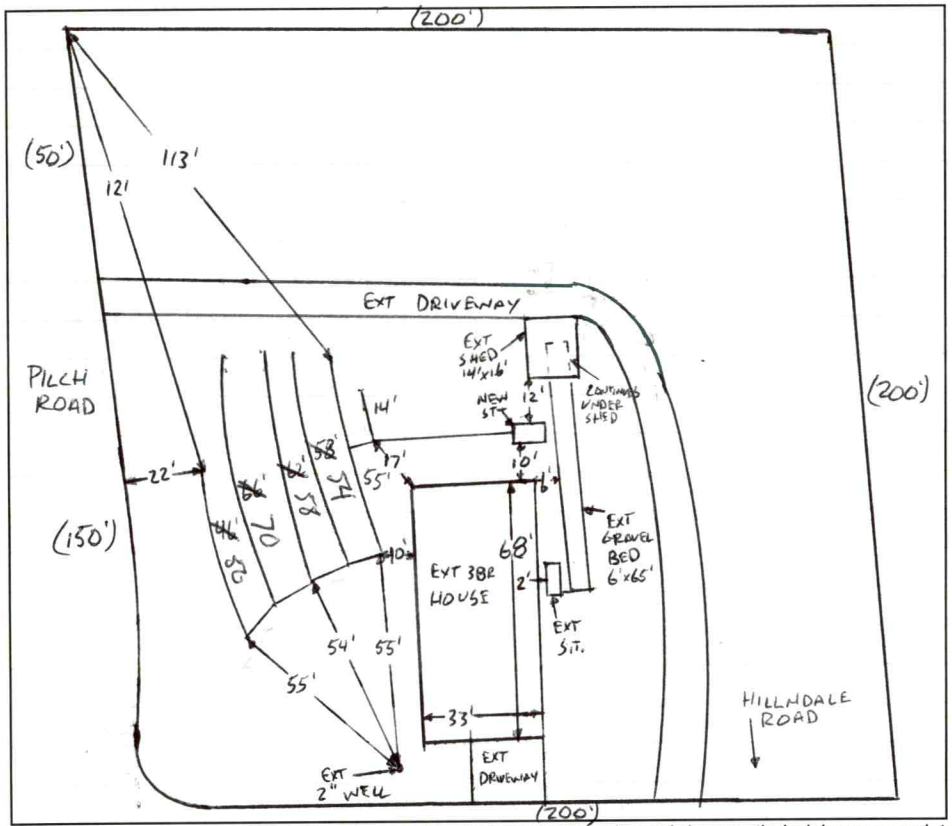
☑ Residence	No. Bedrooms	3	Water Supply
☐ Business	No. Persons	6	☑ Private EXT
☐ Other	No. Employees	—	☐ Public
☐ Slab	☑ Crawl Space		☐ Community
☐ Basement w/plumbing	☐ Basement w/o plumbing		

Usable Depth to LC (Repair): 4/ON *Limiting Condition*

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 36IN MAX TRENCH BOTTOM ON HIGHSIDE OF DITCH, DO NOT SHALLOW UP, WELL MUST BE UNCOVERED AT INSTALL

RECOMMEND REMOVING MAPLE TREE
PUMP, CRUSH, AND FILL EXISTING TANK

INITIAL SITE SKETCH



AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am
the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

1 IN = 50 FT
S.T. = SEPTIC TANK
EXT = EXISTING

Installed as Drawn

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: ONLINE SIGNATURE | Date: — | Installed by: Craig Thompson

IMPROVEMENT PERMIT by: Burnett C. White | Date: 2-19-2024 | OPERATION PERMIT by: [signature] | Date: 3/1/24

AUTHORIZATION TO CONSTRUCT by: Burnett C. White | Date: 2-19-2024 | Existing System Inspected by: | Date:

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4751 - 47 - 9714
COUNTY: IREDELL

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: GARY GILLELAND DATE EVALUATED: 2-13-2024
ADDRESS: 105 HILLNDALE LANE, STATESVILLE, N.C. 28677
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.0400): 360 GPD PROPERTY SIZE: 0.92 AC
LOCATION OF SITE: 105 HILLNDALE LANE, STATESVILLE, N.C. 28677 PROPERTY RECORDED: YES
WATER SUPPLY: ☐ Public ☑ Single Family Well ☐ Shared Well ☐ Spring ☐ Other _____ WATER SUPPLY SETBACK: 50 FT
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut TYPE OF WASTEWATER: ☑ Domestic ☐ High Strength ☐ IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .0505 SOIL DEPTH	OTHER PROFILE FACTORS .0506 SAPRO CLASS	OTHER PROFILE FACTORS .0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRECTION
1	LINEAR SIDE 15%	0-8	SCL, SBK	FR, SS, SP, SEXP	FEW V/B MOTS 10"-18" SAP INC THRU OUT	54"+	NA	NA	PS .3 INSTALL @ 36"	6"
		8-38	C, ABK	FI, S, P, SEXP						
		38-54	CL, WABK	FI, SS, SP, SEXP						
2	LINEAR SIDE 12%	0-8	SCL, SBK	FR, SS, SP, SEXP	FEW V/B 10"-21"	53"+	N/A	N/A	PS -3 INSTALL @ 36"	5"
		8-34	C, ABK	FI, S, P, SEXP						
		34-53	CL, WOBK	FI, SS, SP, SEXP						
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	—	PS
System Type(s)	—	25%
Site LTAR	—	0.3
Maximum Trench Depth	—	36 IN

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Burgent C. White
OTHER(S) PRESENT: _____

Comments: _____

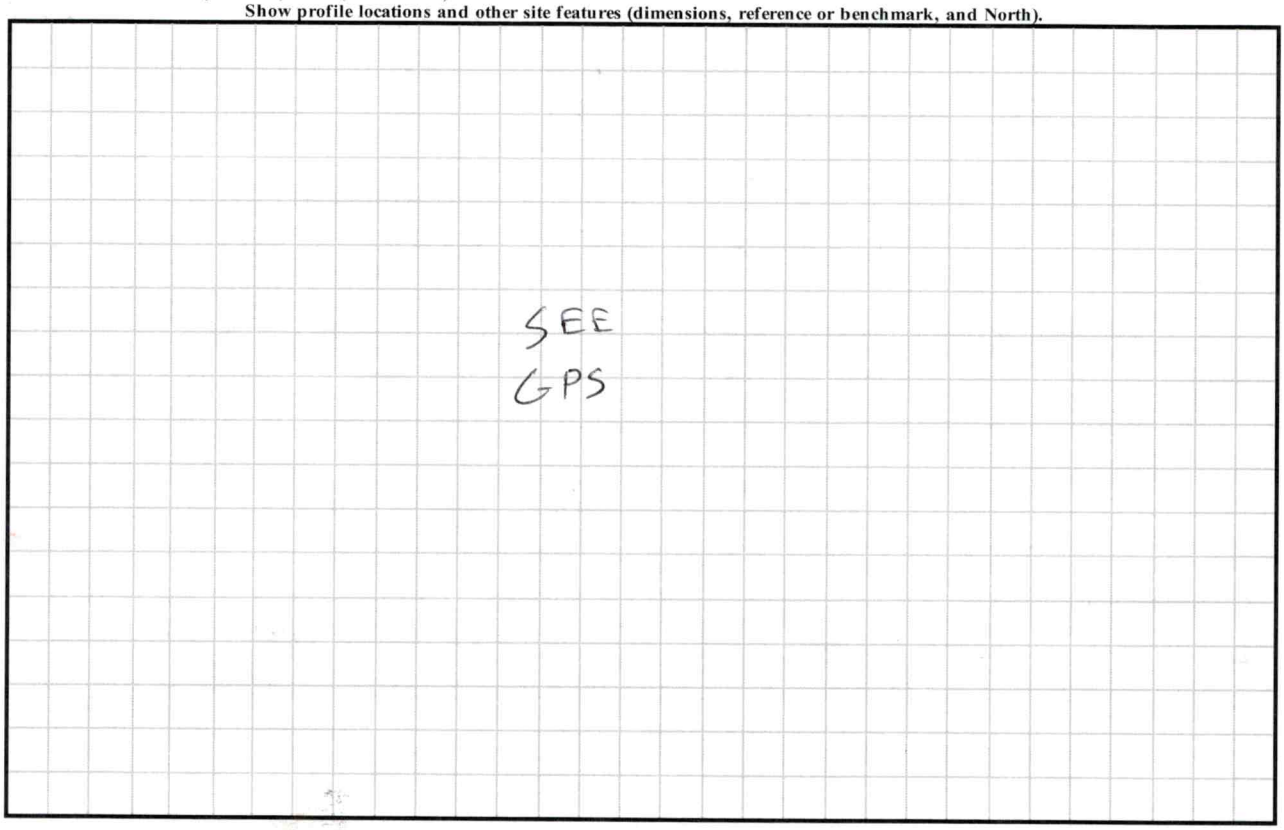
LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable) or U (Unsuitable)

Show profile locations and other site features (dimensions, reference or benchmark, and North).




4751-48-6068
4751-48-9036
4751-48-3031
PB 63-138
51
94
(60)
4751-68-4603
50
200
4751-47-3702
289
Pilch Rd
4751-47-9714
Pit1
Pit2
150
70
57
55
16
46
52
50
105
Ext st outlet
200
4751-57-1606
150
PB 9-56
Hillindale Ln
201
200
100
4751-47-8515
200
109
100
4751-47-9363
1 in = 50 ft

PERMIT SNAPSHOT REPORT OSWP-2024-46075 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	01/31/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	PRIORITY PERMIT	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	White, Bryant	**Approval Expire Date:**	

Description: PRIORITY PERMIT - - REPAIR I have been having trouble for a while and had attempts made by septic company and did not fix problem so it is still backing up in house and pushing water out in the floor in the bathrooms

Parcel: 4751479714.000 Main	**Address:** 105 Hillndale Ln Main Statesville, NC 28677	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
gary gilleland	gary gilleland
105 hillndale rd	105 hillndale rd
statesville, NC 28677	statesville, NC 28677
Mobile: (704) 658-5457	Mobile: (704) 658-5457

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Existing System Inspection, Repair	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	na
Maximum Number of Bedrooms	3	If other Addition/Structure, please explain		Number of Occupants	2
Foundation Type	Crawl Space Foundation	Water Supply	Existing Well	Desired Septic System Type	No Preference
Additional Unique Setbacks Apply	No				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_gary_gilleland_1/31/2024.jpg	01/31/2024 13:07	gilleland, gary		Uploaded via CSS

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		01/31/2024 14:24	01/31/2024 14:24
Confirm application complete v.1	Generic Action		01/31/2024 14:24
Fees v.1			
Fees Paid v.1	Generic Action		
Issue Invoice v.1	Generic Action		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
~~**Lot Readiness Verification v.1**~~			01/31/2024 14:23
~~OSWP Septic Preliminary Site Visit v.1~~	Inspection		01/31/2024 14:23
~~OSWP Site Evaluation v.1~~	Inspection		01/31/2024 14:23
~~**Zoning Review v.1**~~			01/31/2024 14:23
~~Floodplain Admin Overview v.1~~	Task		01/31/2024 14:23
~~Issue Invoice v.1~~	Generic Action		01/31/2024 14:23
~~Fees Paid v.1~~	Generic Action		01/31/2024 14:23
Permit Completion Process v.1			

PERMIT SNAPSHOT REPORT (OSWP-2024-46075)

Authorization to Construct Permit v.1	Create Sub Permit
Issue Authorization to Construct v.1	Generic Action

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Phone TR 3-7271 Mooresville Phone NO 3-1271

PERMIT TO INSTALL SEPTIC TANK

Permit No. J A. Mills Permit Date Aug 23 1966

Owner Edmiston & Mills Dev. Address R7

Installed By C Hoke Address R7

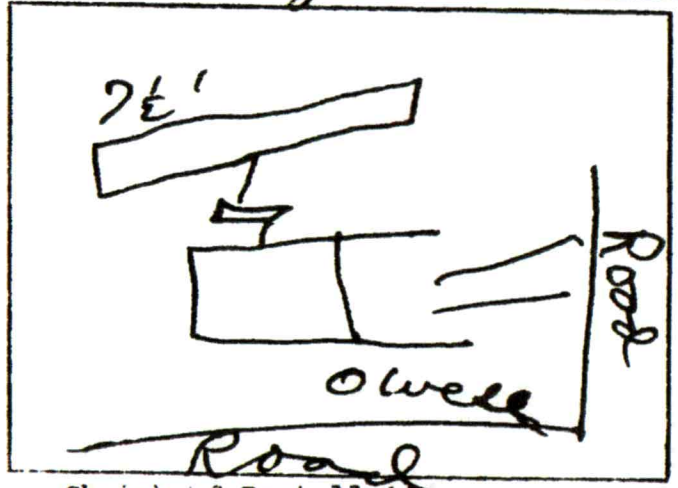
Location of Property out Amity Hill Rd to Road #2366 Paved to R- on left ½ mile

Tank		Capacity		Length of Lines		Fixtures	
Block	( )	1000	(✓)	225'	(✓)	No. of Baths	(2)
Precast	(✓)	1250	( )	250'	( )	Dishwasher	( )
		1500	( )	Other		Garbage Grdr.	( )
		Other				Other	

NOTIFY HEALTH DEPARTMENT AT LEAST EIGHT HOURS BEFORE TANK IS TO BE INSPECTED.

Final Inspection 19 Approved ( ) Disapproved ( )

Remarks Heavy wooded - very deep -



Sketch of Installation

Sanitarian